

Management Aids Nematode Control

Nematodes are microscopic eel-like roundworms. Only a very few species of plant-parasitic nematodes infect turfgrass plantings; most nematodes are beneficial or benign. Plant-parasitic nematodes rarely kill the host plants on which they are feeding, however, the plant is so weakened from the feeding that other diseases, insects, or environmental conditions often kill the plant.

Nematode damage in home lawns is often severe in the sandy soils of southeastern North Carolina. Symptoms of roundworm damage are difficult to identify. Lawns infested with high populations of nematodes will have weak, thin turf. Nutrient deficiencies and dry wilting are prevalent on nematode infested soil. Grass roots will exhibit stunting, excessive branching, and death of new roots. However, these symptoms are not sufficient evidence to identify these creatures as the major cause of this problem.

Some of the common turfgrass-damaging nematodes include stunt, spiral, lance, stubby-root, and sting. Of this group, sting often causes the most severe damage. In areas with high sting nematode populations, growing high quality turfgrass is extremely difficult.

Good management practices are

THE PLANT DOCTOR

C. BRUCE WILLIAMS
Extension Area
Turf Specialist



the best weapon for controlling nematode populations in residential lawns.

Proper fertilization, adequate soil water and proper mowing height will greatly reduce the damage of plant parasitic nematodes. Mocap 5G is the only chemical labeled for residential lawn nematode control in North Carolina. This product can only be applied by an individual with a commercial ornamental and turf pesticide license. Nematicides can be very toxic to humans, animals, and birds and therefore should be handled with extreme care, after following all label instructions.

Dear Plant Doctor: I have enclosed some leaves from our Bradford pear tree. It was planted in March 1990, and has been growing very well since then, even sprouting blossoms last spring. About 2

weeks ago I noticed the first spotting of leaves and it has continued to spread slowly through the tree.

What is the problem? Is there anything I can do to treat this condition?

Answer: I cannot tell you exactly what the problem is without seeing the tree. The necrotic (dead) tissue in the center of the leaves you sent me indicate that the problem is somehow associated with the root or lower stem system, since I could find no sign of fungal or bacterial infection on the leaves. The tissue damage is symptomatic of fertilizer injury, drought scorch or graft incompatibility.

I recently observed a dogwood tree exhibiting symptoms resembling fertilizer injury (severe leaf scorch accompanied by leaf drop). Upon closer examination, the tree was found to be girdled at its base by a piece of nylon rope. Severely root-bound trees will also exhibit similar symptoms.

I'm sorry, but I am unable to diagnose your Bradford pear problem. Contact the Cooperative Extension Service in your area for additional help on this problem.

Send your gardening questions to The Plant Doctor, P.O. Box 109, Bolivia, N.C. 28422.

competition materials.

All entries will be entered in the upcoming state competition in January.

Entry forms, narrative summaries and supporting documentation must be submitted to the Eastern Carolina Clean and Beautiful Awards Program or postmarked by Nov. 15, 1991. Entry is free of charge. Participants should send entries to P.O. Drawer 757, Greenville, N.C. 27832. For more information on entering or qualifying, call 919-237-5151.

Chamber Offering Awards for Green Efforts

The Eastern North Carolina Chamber of Commerce, in cooperation with Keep North Carolina Clean And Beautiful, Inc., has launched an awards program this fall honoring those who make significant efforts to keep the eastern portion of the state clean and beautiful.

The annual effort, called Eastern Carolina Clean and Beautiful, will culminate with an awards ceremony Dec. 10 in Greenville to salute community organizations, churches, local governments and businesses that have carried out a successful effort at cleaning up a particular place or community.

Milo Gibbs Jr. of Wilson, chairman of community development for the chamber, said that the group had decided to launch the project after being contacted by officials of Keep North Carolina Clean and Beautiful, Inc.

"For a number of years, we have been concerned with the appearance of our 43 county region," Gibbs

said. "In the past, we have been involved in encouraging the removal of abandoned, decaying, non-historic structures in the region; now we move into the cleanliness and beautification segment of the appearance issue."

A panel of judges knowledgeable on the subject of environmental concerns will be selected by the ENCCC, who will consider candidates on the scope of their program, extent of participation or committed resources, results achieved by their efforts, and the presentation of their

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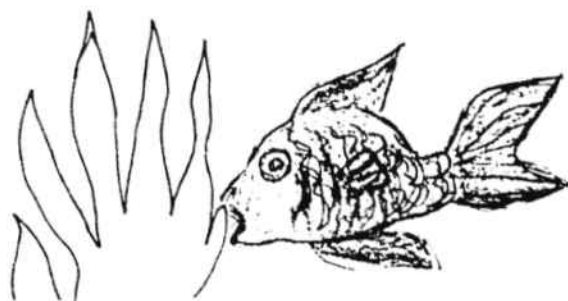
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THE KID'S PAGE

WRITTEN BY STUDENTS OF UNION PRIMARY SCHOOL FOR EVERYONE TO ENJOY

Our Wonderful Undersea World



You may not know it, but under the water there is a whole new world. There are fish everywhere, whales, sharks, jellyfish and TRASH.

If we keep throwing our leftover trash in the ocean, there will be no ocean. There are lots of trash cans, but the ocean is not one. We have to stop polluting the ocean and save some room for the fish to swim. So don't throw your trash in the ocean.

Katie Hart



Sand Dollar

I think fish and other ocean creatures in the ocean need clean water. Some fish are dying because people throw dirty trash in the ocean. Seagulls also need clean healthy fish to eat.

If you can, pick up trash in the water and on the beach. Animals need clean water just like people do. Don't make our ocean creatures suffer because of your trash.

Hollie Bass

Did you know there is a museum called The Museum of Coastal Carolina at Ocean Isle Beach. It has a lot of interesting exhibits about the sea.

Try to find the octopus in the reef room. This exhibit shows all the different sea life that lives around an ocean reef.

Take a peek at the wave machine in the shell and shark teeth room. It shows winter and summer waves. It also has some really large shark jaws!

I know you will like the Museum of Coastal Carolina. Come see it some day.

Will Milligan

My dad is a taxidermist. He mounts fish, mammals, and reptiles. One of his big projects is mounting for the museum at Ocean Isle Beach.

Some of my favorites are the sea turtle and the manta ray. My dad does great work. Go to the museum and see it sometime.

Joshua Varnum

Why was the girl not afraid of the shark?

Because it was a man eating shark.

James Fort

Seahorses

Seahorses are creatures Eating seaweed Always interesting Horsing around Open trails, Riding in the Sea. Everyday they bounce up and down.



Billie Jo Carrscadden, Morgan Gillette, Ashley Bryan, Martez Hill, Tiffany Hill, Tracey Green, Nakosha Gause.



Why won't a crab share his food?

Because he's shell-fish.

Taylor Galloway

In August, my dad bought a boat. Since then, we go to the beach whenever we can. We have been clamming, crabbing, and fishing. I even got to go floundering one night at 2:00 in the morning.

The most fun I've had is when my dad pulls me behind the boat in a little rubber boat. I hold onto a ski rope and lean back. It's lots of fun! My brother, Adam, and I hold contests to see who can hold on the longest without flipping the little boat over. I can beat Adam.

Matthew Edwards



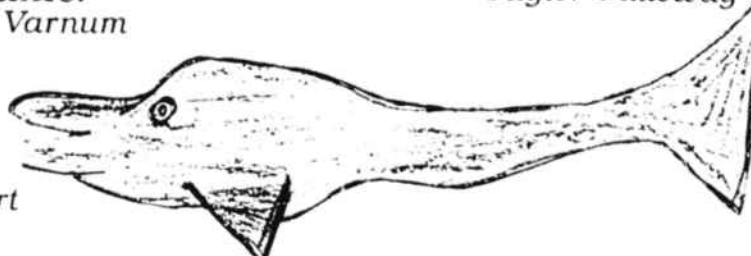
Coral

What did one octopus say to the other octopus when they met?

Let me shake your hand, hand, hand, hand, hand, hand, hand, hand, hand.



Stacy Hewett Periwinkle



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